#5

DOCKET NO.: NOVA-0076

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Michael S. Dobres, Aidyn Mouradov and

Hong Zhang

Serial No.: 09/911,588

Group Art Unit: TBA

Filing Date: July 24, 2001

Examiner: TBA

For: Transformation of Plants by Electroporation of Cultured Explants

DATE OF DEPOSIT: December 22 2001
I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED
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DC 20231.

TYPED NAMĚ: Patrick J. Farley REGISTRATION NO.: 42,524

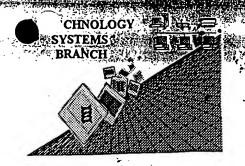
BOX MISSING PARTS

Assistant Commissioner for Patents Washington DC 20231

STATEMENT TO SUPPORT FILING AND SUBMISSION IN ACCORDANCE WITH 37 CFR §§ 1.821 THROUGH 1.825

	I hereby state, in accordance with the requirements of 37 C.F.R. §1.821(f), that the contents of the paper and computer readable copies of the Sequence Listing, submitted in accordance with 37 CFR §1.821(c) and (e), respectively are the same.
\boxtimes	I hereby state that the submission filed in accordance with 37 CFR §1.821(g) does not include new matter.
	I hereby state that the submission filed in accordance with 37 CFR §1.821(h) does not include new matter or go beyond the disclosure in the international application as filed.
	I hereby state that the amendments, made in accordance with 37 CFR §1.825(a), included in the substitute sheet(s) of the Sequence Listing are supported in the application, as filed, at pages I hereby state that the substitute sheet(s) of the Sequence Listing does (do) not include new matter.

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/9/11,588Source: 01/5Date Processed by STIC: 08/02/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 c-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 c-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER	ER: 09/911,588
ATTN: NEW RULES CASES:	s: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WEF	RE INSERTED BY PTO SOFTWARE
	The number/text at the end of each line "wrapped" down to the next leads retrieved in a word processor after creating it. Please adjust you prevent "wrapping."	
2Invalid Line Length	h The rules require that a line not exceed 72 characters in length. This	includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use use space characters, instead.	tab codes between numbers;
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by ensure your subsequent submission is saved in ASCII text.	y the Sequence Rules. Please
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one resi cach n or Xaa can only represent a single residue. Please present t residue having variable length and indicate in the <220>-<223> section	he maximum number of each
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section sequences(s) Normally, PatentIn would automatically previously coded nucleic acid sequence. Please manually copy the re the subsequent amino acid sequence. This applies to the mandatory Artificial or Unknown sequences.	generate this section from the levant <220>-<223> section to
	Sequence(s) missing. If intentional, please insert the following (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where (i) SEQUENCE CHARACTERISTICS: (Do not insert any sul (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO This sequence is intentionally skipped	"X" is shown) bheadings under this heading)
·	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to	include the skipped sequences.
(NEW RULES)	Sequence(s) missing. If intentional, please insert the followi <210> sequence id number <400> sequence id number 000	ng lines for each skipped sequence.
	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY In <220> to <223> section, please explain location of n or Xaa, and v	
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unscientific name (Genus/species). <220>-<223> section is required wis Artificial Sequence	
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated in Use of <220> to <223> is MANDATORY if <213> "Organism" responsible to the control of the control o	onse is "Artificial Sequence" or 223> section.
12PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. The resulting in missing mandatory numeric identifiers and responses (as i listing). Instead, please use "File Manager" or any other manual mean	ndicated on raw sequence

AMC - Biotechnology Systems Branch - 06/04/2001

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.



OIPE

RAW SEQUENCE LISTING DATE: 08/02/2001 PATENT APPLICATION: US/09/911,588 TIME: 14:25:48

Input Set : A:\nova76.ST25.txt

Output Set: N:\CRF3\08022001\I911588.raw

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3 <110> APPLICANT: Dobres, Michael S.
               Mouradov, Aidyn
               Zhang, Hong
      7 <120> TITLE OF INVENTION: TRANSFORMATION OF PLANTS BY ELECTROPORATION OF CULTURED
EXPLANTS
      9 <130> FILE REFERENCE: NOVA-0076
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/911,588
C--> 11 <141> CURRENT FILING DATE: 2001-07-24
                                                                      Does Not Comply
     11 <160> NUMBER OF SEQ ID NOS: 10
     13 <170> SOFTWARE: PatentIn version 3.1
                                                                  Corrected Diskette Needed
     15 <210> SEQ ID NO: 1
     16 <211> LENGTH: 21
                                                         Adescription of mandatory in field 223 when the response ma field 213 is Artificial or Artificial Sequences
C--> 18 <213> ORGANISM: artificial Errered
W--> 20 <220> FEATURE:
W--> 20 <223> OTHER INFORMATION:
     20 <400> SEQUENCE: 1
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     24 <210> SEQ ID NO: 2
     25 <211> LENGTH: 20
     26 <212> TYPE: DNA
C--> 27 <213> ORGANISM: artificial
W--> 29 <220> FEATURE:
W--> 29 <223> OTHER INFORMATION:
     29 <400> SEQUENCE: 2
                                                                                    20
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     34 <211> LENGTH: 21
     35 <212> TYPE: DNA
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W--> 38 <220> FEATURE:
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     43 <211> LENGTH: 19
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W--> 47 <223> OTHER INFORMATION:
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     48 ttgcagcaga aaagccgcc
     51 <210> SEQ ID NO: 5
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     53 <212> TYPE: DNA
C--> 54 <213> ORGANISM: artificial
W--> 56 <220> FEATURE:
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The types of errors shown exist throughout the Sequence Listing. Please check

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/911,588

DATE: 08/02/2001 TIME: 14:25:48

Input Set : A:\nova76.ST25.txt

Output Set: N:\CRF3\08022001\I911588.raw

5	6 <400> SEQUENCE: 5	
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6	1 <211> LENGTH: 32	
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W> 6	5 <223> OTHER INFORMATION:	
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=	O <211> LENGTH: 22	
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	2 <213> ORGANISM: artificial	
•	4 <220> FEATURE:	
	4 <223> OTHER INFORMATION:	
	4 <400> SEQUENCE: 7	0.0
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	3 <210> SEQ ID NO: 8	
	9 <211> LENGTH: 20	
_) <212> TYPE: DNA	
	l <213> ORGANISM: artificial 3 <220> FEATURE:	
	3 <223> OTHER INFORMATION:	
	3 <400> SEQUENCE: 8	
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	7 <210> SEQ ID NO: 9	20
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_	O <213> ORGANISM: artificial	
	2 <220> FEATURE:	
W> 9	2 <223> OTHER INFORMATION:	
9.	2 <400> SEQUENCE: 9	
9	3 tgtggcattt attgaaatgg cactg	25
9	5 <210> SEQ ID NO: 10	
9	7 <211> LENGTH: 29	
9	3 <212> TYPE: DNA	
C> 9	9 <213> ORGANISM: artificial	
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	01 <223> OTHER INFORMATION:	
	01 <400> SEQUENCE: 10	
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/911,588

DATE: 08/02/2001 TIME: 14:25:49

Input Set : A:\nova76.ST25.txt

Output Set: N:\CRF3\08022001\I911588.raw

- L:11 M:270 C: Current Application Number differs, Replaced Current Application No
- L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
- L:18 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
- L:20 M:258 W: Mandatory Feature missing, <220> FEATURE:
- L:20 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
- L:27 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
- L:29 M:258 W: Mandatory Feature missing, <220> FEATURE:
- L:29 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
- L:36 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
- L:38 M:258 W: Mandatory Feature missing, <220> FEATURE:
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- L:47 M:258 W: Mandatory Feature missing, <220> FEATURE:
- L:47 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
- L:54 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
- L:56 M:258 W: Mandatory Feature missing, <220> FEATURE:
- L:56 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
- L:63 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
- L:65 M:258 W: Mandatory Feature missing, <220> FEATURE:
- L:65 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
- L:72 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
- L:74 M:258 W: Mandatory Feature missing, <220> FEATURE:
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- L:81 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
- L:83 M:258 W: Mandatory Feature missing, <220> FEATURE:
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- L:90 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
- L:92 M:258 W: Mandatory Feature missing, <220> FEATURE:
- L:92 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
- L:99 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
- L:101 M:258 W: Mandatory Feature missing, <220> FEATURE:
- L:101 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: